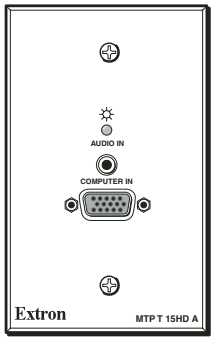
IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications.

# MTP T 15HD A Architectural Series • Setup Guide




The Extron MTP T 15HD A Architectural twisted pair transmitter series accept VGA and audio signals.

- MTP T 15HD A WM
- MTP T 15HD A D
- MTP T 15HD A AAP

This guide provides instructions for an installer to set up and operate these products. For detailed information, see the *MTP T 15HD A Architectural Twisted Pair Transmitters User Guide*, available at www.extron.com.

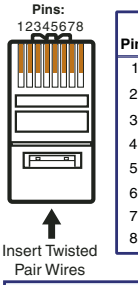
## Pre-installation

The MTP T 15HD A WM and D models are installed in a 1-gang electrical wall box. The MTP T 15HD A AAP is attached to a device faceplate or an AAP wall plate. Install the electrical box or wall plate (see the *MTP T 15HD A Architectural Twisted Pair Transmitters User Guide*).

Before installation, run the twisted pair (TP) and audio output cables from the output device to the transmitter.

**NOTE:** The cable must be terminated using the same standard (A or B) at both ends (see figure 1).

Run cables from the 12 VDC power supply to the transmitter.




| Pin | T568A Wire Color | T568B Wire Color |
|---|---|---|
| 1 | White-green | White-orange |
| 2 | Green | Orange |
| 3 | White-orange | White-green |
| 4 | Blue | Blue |
| 5 | White-blue | White-blue |
| 6 | Orange | Green |
| 7 | White-brown | White-brown |
| 8 | Brown | Brown |

**NOTE:** If you are using Enhanced Skew-Free™ A/V cable, use the TIA/EIA T568A standard only.

**Figure 1. TP Termination Diagram**

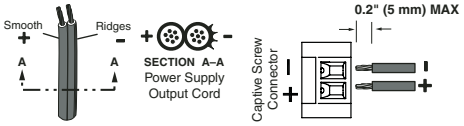
## Installation

### Step 1 — Rear Panel Cabling and Adjustments

Turn off or disconnect all equipment power sources. Before mounting the transmitter, make the following connections and adjustments:

**Power** — Connect the cables from the included external 12 VDC power supply to the rear panel 3.5 mm, 2-pole captive screw connector.

**ATTENTION:** See "Power Supply Wiring" in the user guide before wiring.

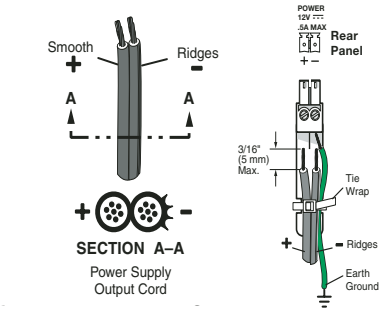



**MTP T 15HD WM and AAP Power Supply Wiring**

Wire the 2-pole captive screw connectors as shown in the figures to the right. Plug them into the Power connectors of the MTPs. The LED indicator on each MTP should be on when receiving power.

**Grounding guidelines:**
Extron MTP 15HD A products can be adversely affected by electrostatic discharge (ESD) if they are not grounded correctly.

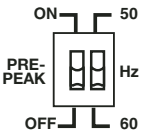
To prevent malfunctions or product damage, an experienced installer can correctly ground an Extron MTP 15HD A Architectural series product by grounding the power input port. Insert one end of the grounding wire to the negative or ground pin on the power input connector (see the figure to the right). Tie the other end of the wire to an earth ground.



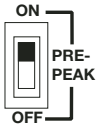

**MTP T 15HD A D Power Supply Wiring**

If you have any questions about how to ground a product in a specific application, contact an Extron technical support specialist.

**Pre-Peaking** — For long cable runs, set the rear panel pre-peaking switch to On (see the images to the right). For detailed information, see the *MTP T 15HD A Architectural Twisted Pair Transmitters User Guide*.




**MTP T 15HD A D**



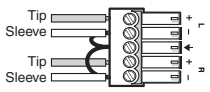

**MTP T 15HD WM and AAP**

**Output Cabling** — Connect the TP cable to the rear panel RJ-45 connector.

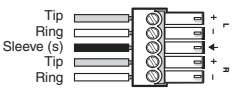
**Audio Cabling** — For local stereo output, insert stripped audio cable into the rear panel, direct insertion, 3.5 mm, 5-pole captive screw connector (see the figure below).

**EDID Configuration (A D units)** — See the EDID Minder section on the rear of this Setup Guide for information on configuring the EDID.

**ATTENTION: Potential damage to property.**
For unbalanced audio, connect the sleeves to the center contact ground.
**DO NOT** connect the sleeves to the negative (-) contacts.




**Unbalanced Stereo Input**




**Balanced Stereo Input**

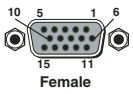
## Step 2 — Mounting

Secure the transmitter to the electrical box, device faceplate, or wall plate. Figure 2 shows a Decora model mounted in a wall box.

## Step 3 — Connect the Inputs

Connect the video and audio inputs to the front panel connectors:

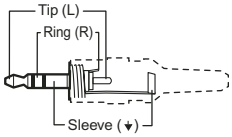
**High resolution video input** — Connect the video input to the 15-pin HD connector
(for RGB, composite, S-video, or component video signals).




**NOTES:**

- For input only sync signals (no video signals), use sync pins 13 and 14.
- For component video, use the R (R-Y) and R return pins (pins 1 and 6), G (Y) and G return pins (pins 2 and 7), and B (B-Y) and B return pins (pins 3 and 8).
- For S-video, use the R, R return (C-chroma), G, and G return (Y-luma) pins.
- For composite video, use the G pin and the associated return pin. For additional genlocked video signals, use the R, B, and associated return pins.

**Audio input** — Plug a 3.5 mm stereo audio plug into this jack for unbalanced audio input. Wire the plug as shown in the diagram to the right.



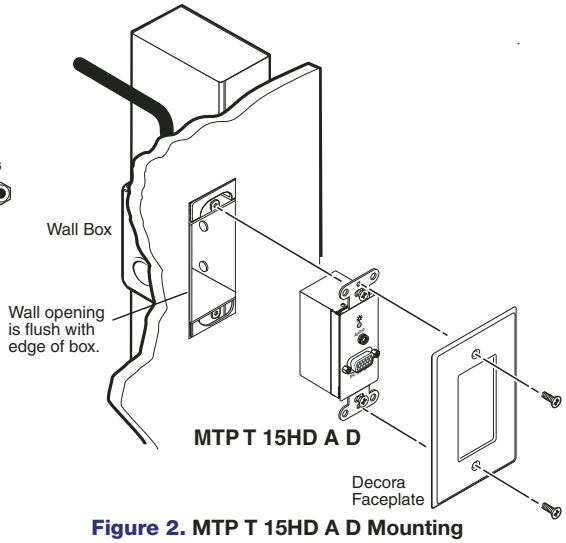




**Figure 2.** MTP T 15HD A D Mounting

## Step 4 — Connect the Output Devices

Connect the TP cable from the transmitter to the input port of an MTP receiver.

Connect the audio output cables (see Audio Cabling in step 1) to a local audio system.

## EDID Minder

The MTP T 15HD A D unit supports emulation of factory-installed EDID information through EDID Minder. To use factory-installed EDID information:

1. If you have not already done so, connect the source device to the MTP 15HD transmitter. Do not power on the source device at this time.
2. Set the rear panel DIP switch (①) to the required frequency (50 or 60 Hz).

   **NOTE:** When the rotary dial (②) is set to position 0, the frequency DIP switch position is ignored.

3. Set the rotary dial (②) to the required position (see the table in figure 5). Positions 1 through F are factory installed. Position 0 is not used.

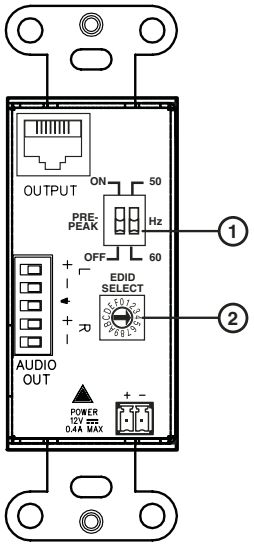



**Figure 4.** MTP Transmitter Rear Panel

| Rotary Switch Position | Resolution |
|---|---|
| 0 | Not used |
| 1 | 800x600 |
| 2 | 1024x768 (default) |
| 3 | 1280x720 |
| 4 | 1280x768 |
| 5 | 1280x800 |
| 6 | 1280x1024 |
| 7 | 1360x768 |
| 8 | 1366x768 |
| 9 | 1400x1050 |
| A | 1400x900 |
| B | 1600x900 |
| C | 1600x1200 |
| D | 1680x1050 |
| E | 1920x1080 |
| F | 1920x1200 |

**Figure 5.** EDID Settings Table



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